



COMMONWEALTH OF VIRGINIA  
*Department of Mines, Minerals and Energy*  
Division of Mined Land Reclamation

## Knox Creek TDS Wasteload Report 2017-Q1

04-01-2016 to 03-31-2017

### Watershed Information

Stressor:	TDS	Watershed Acres:	48,069
Wasteload Allocation:	1,110,000	Watershed Permits:	12
EPA TMDL Approval Date:	3/27/2007	Watershed Outfalls:	135

### Watershed Wasteload and Reduction Summary<sup>1</sup>

	Pre-TMDL Wasteloads <sup>2</sup>	Post-TMDL Wasteloads <sup>3</sup>	Total
Wasteload Allocation Available <sup>4</sup>	1,110,000	0	1,110,000
Wasteload <sup>5</sup>	5,090,400	644,085	5,734,485
Wasteload Balance	-3,980,400	-644,085	-4,624,485
Wasteload Reduction Required <sup>6</sup>	3,980,400	644,085	4,624,485
Percent Reduction Required <sup>7</sup>	78.2 %	100.0 %	80.6 %

<sup>1</sup> Wasteload units are in kg/year unless otherwise noted.

<sup>2</sup> Pre-TMDL Wasteloads are calculated from outfalls existing before the EPA's approval of the TMDL.

<sup>3</sup> Post-TMDL wasteloads are calculated from outfalls added after the EPA's approval of the TMDL.

<sup>4</sup> The wasteload allocation available for pre-TMDL outfalls is the approved wasteload allocation for the watershed. The wasteload allocation available for post-TMDL outfalls is any remaining balance not used by pre-TMDL outfalls.

<sup>5</sup> Wasteloads are calculated on a quarterly basis using reported monitoring data, which includes samples taken when an alternate effluent limitation (AEL) precipitation event is utilized.

<sup>6</sup> In order to meet the wasteload allocation, all negative wasteload balance (i.e. the amount of wasteload exceeding the wasteload allocation) must be reduced.

<sup>7</sup> The percent reduction required is used to assign wasteload reductions to permits when the watershed's wasteload exceeds the available wasteload allocation.

### Permit Wasteload and Reduction Summary<sup>8</sup>

Permit Number	Pre-TMDL Wasteload <sup>9</sup>	Pre-TMDL Reduction Required <sup>10</sup>	Post-TMDL Wasteload <sup>11</sup>	Post-TMDL Reduction Required <sup>12</sup>	Total Wasteload	Total Wasteload Reduction Required
1401358	27,045	21,148	0	0	27,045	21,148
1201630	1,015	794	0	0	1,015	794
1401647	0	0	85,082	85,082	85,082	85,082
1301714	1,409,778	1,102,365	0	0	1,409,778	1,102,365
1301712	0	0	0	0	0	0
1201724	0	0	346,393	346,393	346,393	346,393
1101784	2,217,299	1,733,800	0	0	2,217,299	1,733,800
1101823	6,895	5,392	0	0	6,895	5,392
1101981	161,372	126,183	0	0	161,372	126,183
1101995	1,263,889	988,288	212,610	212,610	1,476,499	1,200,899
1202083	3,107	2,429	0	0	3,107	2,429
1102169	0	0	0	0	0	0
<b>Total</b>	<b>5,090,400</b>	<b>3,980,400</b>	<b>644,085</b>	<b>644,085</b>	<b>5,734,485</b>	<b>4,624,485</b>

<sup>8</sup> Wasteload units are in kg/year unless otherwise noted.

<sup>9</sup> The wasteload calculated from outfalls existing before the EPA's approval of the TMDL.

<sup>10</sup> Pre-TMDL reduction calculated by multiplying the pre-TMDL wasteload by the watershed's pre-TMDL percent reduction required.

<sup>11</sup> The wasteload

<sup>12</sup> Post-TMDL reduction calculated by multiplying the post-TMDL wasteload by the watershed's post-TMDL percent reduction required.